

# METHOD OF UPDATING AN INVERSE ARP TABLE IN AN IP NETWORK OVER A PARTIALLY MESHED FRAME RELAY NETWORK

## Abstract

A method of updating an inverse ARP table in an IP network over a partially meshed Frame Relay network (10) wherein the Frame Relay network includes at least a hub (12 or 14) which is linked to each one of a set of spokes (16, 18, 24 or 20, 22, 24) by a Permanent Virtual Circuit (PVC) identified by a first Data Link Connection Identifier (DLCI) associated with the hub and a second DLCI associated with the spoke, the hub and the set of spokes defining an IP subnet having a subnet address, and each spoke having an inverse ARP table in which the first DLCI identifying a PVC is mapped with the IP address of the hub as entry. The method comprises automatically entering an entry into the inverse ARP table which defines the first DLCI being mapped with a default IP address identifying the hub as destination for any frame addressed to one or several spokes of the subnet.